

In the Claims:

Claims 1 to 24 (Canceled).

1 **25.** (New) Component with a substrate region as an oxidation
2 protective layer, especially component of a gas turbine,
3 with a substrate surface (13) and a substrate composition
4 of the component (10), and with a substrate region formed
5 in the region of the substrate surface (13) of the
6 component through in-diffusion of at least one metal,
7 whereby the component (10) comprises a substrate
8 composition on a nickel basis with an aluminum proportion
9 of greater than 4.5 weight %, and platinum is diffused into
10 the substrate surface (13) of the component (10) for the
11 formation of the substrate region, characterized in that
12 the integrated proportion of platinum (Pt) in the substrate
13 region amounts to between 5 and 40 weight %.

1 **26.** (New) Component according to claim 25, characterized in
2 that the integrated proportion of platinum (Pt) in the
3 substrate region amounts to between 5 and 30 weight %.

1 **27.** (New) Component according to claim 25, characterized in
2 that the integrated proportion of platinum in the substrate
3 region amounts to between 5 and 17.99 weight %.

1 **28.** (New) Component according to claim 25, characterized in
2 that the proportion of aluminum in the substrate region is
3 determined by the substrate composition.

1 **29.** (New) Component according to claim 25, characterized in
2 that the component (10) comprises a substrate composition
3 on a nickel basis with an aluminum proportion of maximally
4 10 weight %.

1 **30.** (New) Component according to claim 25, characterized in
2 that the component (10) is embodied as a gas turbine
3 component, especially as a component of an aircraft engine.

1 **31.** (New) Component according to claim 30, characterized in
2 that the component (10) is embodied as a blade of a gas
3 turbine, especially of an aircraft engine.

1 **32.** (New) Oxidation protective coating for a component,
2 especially a gas turbine component, whereby the component
3 (10) comprises a substrate composition, and whereby the
4 coating is formed through diffusion of at least one metal
5 into a substrate surface (13) of the component (10) and
6 hereby forms a substrate region of the component, whereby
7 the component (10) comprises a substrate composition on a
8 nickel basis with an aluminum proportion of greater than
9 4.5 weight %, and platinum is diffused into the substrate
10 surface (13) of the component (10) for the formation of the
11 substrate region, characterized in that the integrated

12 proportion of platinum in the substrate region amounts to
13 between 5 and 40 weight %.

1 33. (New) Coating according to claim 32, characterized in that
2 the integrated proportion of platinum in the substrate
3 region amounts to between 5 and 30 weight %.

1 34. (New) Coating according to claim 32, characterized in that
2 the integrated proportion of platinum in the substrate
3 region amounts to between 5 and 17.99 weight %.

1 35. (New) Coating according to claim 32, characterized in that
2 the proportion of aluminum in the substrate region is
3 determined by the substrate composition.

1 36. (New) Coating according to claim 32, characterized in that
2 the component (10) comprises a substrate composition on a
3 nickel basis with an aluminum proportion of maximally 10
4 weight %.

1 37. (New) Method for the production of a component with a
2 substrate region as an oxidation protective layer, through
3 providing a component (10) with a substrate surface (13)
4 and a substrate composition, whereby the component (10)
5 comprises a substrate composition on a nickel basis with an
6 aluminum proportion of greater than 4.5 weight %, as well
7 as subsequent diffusion of platinum into the substrate
8 surface (13) of the component (10), characterized in that

9 the diffusion is carried out in such a manner that the
10 integrated proportion of platinum in the substrate region
11 amounts to between 5 and 40 weight %, preferably between 5
12 and 30 weight %.

1 38. (New) Method according to claim 37, characterized in that
2 a gas turbine component, especially a blade of an aircraft
3 engine, is provided as the component.

1 39. (New) Method according to claim 37, characterized in that
2 the component (10) comprises a substrate composition on a
3 nickel basis with an aluminum proportion of maximally 10
4 weight %.

[REMARKS FOLLOW ON NEXT PAGE]